

# David Whittaker of

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This is a course teaching you how to write instructions for any computer which understands BMSIC.
This is a beginners' course, and it be followed by courses of gradually greater complexity.
To start off with, though, follow to week's Start course! Further class.



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ESCREEN WITH O's\*

39 FRANT / LEAAL CO NOT PRESS THE RUN-STOP KEY\*
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proceed that bay, and then, what a they

projam constains to "TAP" pears, the company will constain with the

If there is no errors is employed as the first property of the control of the con

you much about what has happened. For limited if you ware hid the error employ the what has been been to be about the what. Fortunately, there is a bound which helps us in this matter — EBFS. If you type I PONY REACULI

30 FOR N = 1 TO 10
40 PHINT'THIS IS A TEST';
50 NEXT N

At each local carried our you will as local testing to be seen to be a seen to

In a very often work it to a this to habitate in authors or characters that the computer on refer to each asset. The numbers or characters could be a like incomputer on characters which you main common and addresses which you main common, for example, then a spirit common, for example, then we go if during it is as one condition to the common of the

son's name and solder or or prombby a six's through each racial search for a preson y, though, would be A which the comput to the convext name list we not the DAT D BLOGIS'', 12349 123642

This is just a cheef for, andy two names and releptions unambers, that the list could go on, using several DNTA satisfactors. At pool, case user from the above DNTA satisfactors, Art representation of the country of

contable, the numbers being read into moments raciable, and the other sharmed being read than a noing variable (number can also be read into a string variable if p ware, but you cannot perform ubdome in the thorn if you do this. Prompane there

user, but you comes perform udedations. NAMES, with them if you do thick. Program there is "THAT" is simple religious clinica say which asks you natively to the prosent's name and then tells you the variable to the property name.

60 PRINT: PRINT' PRESS ANY I TOGETREY AS: RUN 80 DATA FRED BLOCOS, I

SMITH, 128832 90 DATA JACK JONES, 128452, PETT When you RUN this program the serves. B clear and you will be solved for the last of the person where takeshore. 7

I will sell you his relephone number it immediately after the name in the linthe componer does not find the pername then it will sell you.

The program works filst this

Line 18: Clear the across. Display a assigning that response to the strict its NAMES

a 20th Start separating everythic on the FOR and NEXT command, with the value of the variable or at I and increasing by I such till

compare remembers where the care pion of DATA is, so that the next lime it come agous a READ startment it introv where task the DATA from.

Several pions of DATA can be read if with one EAD statement, as you can see the control of DATA can be read in the control of DATA can be read in the control of DATA can be read in the above program. All that you have do in tall the compare which wetaling



Law 3bt. Trus to one if the taking variable you want the DATA to be untigs.

At it, the same as the string variable correct order, and appears on NAMES. If it is then display the message with a comma. You can SEAD "THAT PERSON'S TELEPTOONS pince of DATA as you like, as NAMES." I WILLIAM TO SEE A SEA SEASON OF THE SEASON OF

value of satisfied list will fit come a normal line 800 bins, if it doesn't you will need to se from lines and two SEAD statements. But what happens when the reaches the end of the DAYA is

DE JOHNSON, 127428

When I have it in the Complete was 15 subsequence of the CONTROL OF A CONTRO

nd taking DATA from a c ing For instance, abut fine to 79 CETKEY AS: REST The RESTORE 90 you will andly be able to find the shi of a flak how and Peer Johnson. All a flak how and Peer Johnson. All a flak how and the peer Johnson. All a flak how and the peer Johnson. All a flak how and the peer Johnson is in some in the flak how and the peer Johnson is how and the peer Johnson. All a flak how and the peer Johnson. The peer Johnson is the peer Johnson in the peer Johnson i

THEN, you will understand I 130 IF AS = "YES" OR AS THEN. It would be much easier if we come are if the fire leave of AS is a

to see if the First least of AS in a then we could accept answers in TES, YEARS, or virrously not oth of the word YES starting with a this we use the LEFTS command 150 IF LEFTS LAST.) = "2" YE

This porticular line tasts to not what the first character of the variable AS is. If you change line 130 to 130 IF LETTS (AS.2) = "YE" THEN. then the comparer will be to use what the first two characters of the nazimbal AS not the 2 in the LETTS openment tolls the

sping it to 3 is

Of course, you don't have to use a string own variable with the LEFTS command for any greg of the other string bundling commands, 18 5 come to that), you could also use characters 20 A medicand in quotation marks, the this ECC that is LEFTS conductories?

IM IF LETS PROMEUTER", 6 = "COMP TEEN.
Here is short example program:
10 SCACLES, INSTIT "FOR YOU LIKE USING COMPUTERS", COS
20 IF LETS FOR, II = "Y" THEN PRINT" "FM GLAD ABOUT THAT"
30 IF LETTS FOR, II = "N" THEN PRINT" "GI, I'M NOT IO BLAME!"

The BLGRITS command in very similar in many LEFTS, except that LEFTS has no on the what the first characters of a string ser, but share the REGRITS command dook no one what the last characters of a string ser. Try this reason of the string ser. Try this reason of the string ser. Try this reason of the string ser. Try this reason of the string ser. Try this reason of the string ser. Try this reason of the string ser. Try this reason of the string ser. Try the str

WEEL', 30
SO POINT LEFTS (223, 2): PRINT "THE PILLAST 2 CHARACTERS THAT YOU PER TYPED IN WESS"; 30
FRONT RIGHTS (223, 1)
The 2 in the KIGHTS command refs the number of the command refs the number of the command refs the number of the command refs the number of the command refs the number of the command refs the number of the command refs the number of the command refs the number of the command refs the number of the command refs the number of the command refs the number of the command refs the number of the number

happing how many characters you man had, as you do with the LEPTS or REGISTRY commands, you also have to wheney you man to start from. For examp if you had a line rank as this set 500 AS = MEDS (26.4.3)

a line ruch as this MEDS (ES.A.5) or computer will unign to from the middle of the as 5 to the string variable AS, a 'three characters being the far.

ering variable to using the MIDS command. Here is a short example program which does this: 14 SCNCLR 20 AS = "MELLO HELLO EVERY-

BOOY!"

50 FRINT AS

60 MIDS (AS, 7,5) = "THERE"

50 FRINT AS

17 you look at line 40 you will use the
MIDS command being used to replace the
moond MELTAO with THERE. This is done
insply by felling the computer where in the

KIID A PRICK OF PICKLED PRESS\*

WINT INSTE (AS, "PICK")
here you BLIN this program the her 13 will appear on the across, see the F of the lenser FICK is the 12th of the string variable AS, What you have red if the consensor as As in a second program of the property of the property of the program of the property of the program of the p

tener of PECK appears in the union row look as the string AS you will no holes 1996. Ex appear convey, most in ward PECKEED and once in the nonward PECKEED and once in the nontice of the consumer of the CLED. The company will only find the occurrence of the changears which you searching far, in order on make as the searching far, in order on make as the searching far, the order to make as the world occurrency of the latters. PECS will have no change time 200.

with the second occurrence of the betters Price will have to change line 20:10

10. Figure 10.71 (A.) FFLCE\*, IV.

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10. Fi

characters that you are searching for in string then it will return the number 0. bruckets

The LEN command is used to find a

Pregram Thursess the use of 1 command: 10 SCNCLR: AS = "SUPE C A L I F R A G I L I S T I EXPLALEDITIONS" 30 PRINT "THE STRING VARIAN "AS CONTAINS"; 30 PRINT LENGAN, "CHARACTERS

As you can say, the string variable the you want to rain you had to now want to rain you had to not want to rain you had to not want to rain to must be continued a brackets what the LEN command. 

Brian Lloyd's article will be continued next month, 'The Commandors if --
Plant's month, 'The Commandors if --
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#### How to teach your Micro a thing or two

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Alice in Videoland is available for the Commodore 64 on disk - £12.95, and now on cassette - £8.95. Alice in Videoland features graphics created with the Kosto Pad.

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